# Author index


Aerts, D., see Daï Do Thi, C., 199
Aikawa, M., see Kumar, N., 47
Al-Yaman, F., see Zarlenga, D.S., 131
Alarcon, C.M. and Donelson, J.E., Translational elongation factor 1 (EF-1) of *Onchocerca volvulus* (*Short Communication*), 105
Arevalo, J. and Saz, H.J., Phospholipids and protein kinase C in acetylcholine-dependent signal transduction in *Ascaris suum*, 151
Arra, M., see Kilejian, A., 231
Avila, H.A., Sigman, D.S., Cohen, L.M., Millikan, R.C. and Simpson, L., Polymerase chain reaction amplification of *Trypanosoma cruzi* kinetoplast minicircle DNA isolated from whole blood lysates: diagnosis of chronic Chagas' disease, 211

Baylis, H.A., see Megson, A., 113
Bhat, G.J., Myler, P.J. and Stuart, K., The two ATPase 6 mRNAs of *Leishmania tarentolae* differ at their 3′ ends, 139
Bienen, E.J. and Shaw, M.K., Differential expression of the oligomycin-sensitive ATPase in bloodstream forms of *Trypanosoma brucei brucei*, 59
Bitter-Suermann, D., see Frosch, P.M., 121
Button, L.L., see Webb, J., 173

Cohen, L.M., see Avila, H.A., 211
Cross, G.A.M., see Field, M.C., 227
Cross, G.A.M., see Takle, G.B., 185

Daï Do Thi, C., Aerts, D., Steinert, M. and Pays, E., High homology between variant surface glycoprotein gene expression sites of *Trypanosoma brucei* and *Trypanosoma gambiense*, 199
Davern, K.M., Wright, M.D., Herrmann, V.R. and Mitchell, G.F., Further characterisation of the *Schistosoma japonicum* protein Sj23, a target antigen of an immunodiagnostic monoclonal antibody, 67
Davey, R.A., Ey, P.L. and Mayrhofer, G., Characteristics of thymidine transport in *Giardia intestinalis* trophozoites, 163
Donelson, J.E., see Alarcon, C.M., 105
Donelson, J.E., see Duncan, L.R., 11
Duncan, L.R., Gay, L.S. and Donelson, J.E., African trypanosomes express an immunogenic protein with a repeating epitope of 24 amino acids, 11

Edmundson, H.M., see Jones, G.L., 1
Ey, P.L., see Davey, R.A., 163

Fairlamb, A.H., see Smith, K., 109
Favreau, M.A., see Klein, R.D., 17
Feagin, J.E., see Gardner, M.J., 77
Field, M.C., Medina-Acosta, E. and Cross, G.A.M., Characterisation of a glycosylphosphatidylinositol membrane protein anchor precursor in *Leishmania mexicana* (*Short Communication*), 227
Frosch, M., see Frosch, P.M., 121
Frosch, P.M., Frosch, M., Pfister, T., Schaad, V. and Bitter-Suermann, D., Cloning and characterisation of an immunodominant major surface antigen of *Echinococcus multilocularis*, 121

Gardner, M.J., Feagin, J.E., Moore, D.J., Spencer, D.F., Gray, M.W., Williamson, D.H. and Wilson, R.J.M., Organisation and expression of small subunit ribosomal RNA genes encoded by a 35-kilobase circular DNA in *Plasmodium falciparum*, 77
Gay, L.S., see Duncan, L.R., 11
Geary, T.G., see Klein, R.D., 17
Gray, M.W., see Gardner, M.J., 77

Hall, R., see Megson, A., 113
Hanekamp, T. and Langer, P.J., Molecular karyotype and chromosomal localization of genes encoding two major surface glycoproteins, gp63 and gp46/M2, hsp70, and, $\beta$-tubulin in cloned strains of several *Leishmania* species, 27
Harada, M., see Kumar, N., 47
Hatzenbuhler, N.T., see Klein, R.D., 17
Herrmann, V.R., see Davern, K.M., 67
Hollingdale, M.R., see Zhu, J., 223
Hunt, P.D., see Megson, A., 113

Inman, G.J., see Megson, A., 113

Jones, G.L., Edmundson, H.M., Lord, R., Spencer, L., Mollard, R. and Saul, A.J., Immunological fine structure of the variable and constant regions of a polymorphic malarial surface antigen from *Plasmodium falciparum*, 1

Kilejian, A., Rashid, M.A., Arra, M. and Yang, Y.-F., Sequence of the knob protein of *Plasmodium falciparum* recognized by a monoclonal antibody (*Short Communication*), 231
Klein, R.D., Olson, E.R., Favreau, M.A., Winterrowd, C.A., Hatzenbuhler, N.T., Shea, M.H., Nulf, S.C. and Geary, T.G., Cloning of a cDNA encoding phosphofructokinase from *Haemonchus contortus*, 17
Komuniecki, R., see Song, H., 101
Koski, G., see Kumar, N., 47
Kumar, N., Koski, G., Harada, M., Aikawa, M. and Zheng, H., Induction and localization of *Plasmodium falciparum* stress proteins related to the heat shock protein 70 family, 47

La Rosa, G., see Zarlenga, D.S., 131
Langer, P.J., see Hanekamp, T., 27
LoVerde, P.T., see Spotila, L.D., 117
Lord, R., see Jones, G.L., 1

Mayrhofer, G., see Davey, R.A., 163
McMaster, W.R., see Webb, J., 173
Medina-Acosta, E., see Field, M.C., 227
Megson, A., Inman, G.J., Hunt, P.D., Baylis, H.A. and Hall, R., The gene for apocytochrome B of *Theileria annulata* resides on a small linear extrachromosomal element (*Short Communication*), 113
Miller, R.L., see Miller, W.H., 39
Miller, W.H. and Miller, R.L., Guanosine kinase from *Trichomonas vaginalis*, 39
Millikan, R.C., see Avila, H.A., 211
Minchella, D.J., see Zarlenga, D.S., 131
Mitchell, G.F., see Davern, K.M., 67
Mollard, R., see Jones, G.L., 1
Moore, D.J., see Gardner, M.J., 77
Moss, B., see Satchidanandam, V., 89
Myler, P.J., see Bhat, G.J., 139

Nulf, S.C., see Klein, R.D., 17

Olson, E.R., see Klein, R.D., 17
Opperdoes, F.R., see Smith, K., 109

Pays, E., see Daï Do Thi, C., 199
Pfister, T., see Frosch, P.M., 121

Rashid, M.A., see Kilejian, A., 231
Rekosh, D.M., see Spotila, L.D., 117

Satchidanandam, V., Zavala, F. and Moss, B., Studies using a recombinant vaccinia virus expressing the circumsporozoite protein of *Plasmodium berghei*, 89
Saul, A.J., see Jones, G.L., 1
Saz, H.J., see Arevalo, J., 151
Schaad, V., see Frosch, P.M., 121
Shaw, M.K., see Bienen, E.J., 59
Shea, M.H., see Klein, R.D., 17
Sigman, D.S., see Avila, H.A., 211
Simpson, L., see Avila, H.A., 211
Smith, K., Opperdoes, F.R. and Fairlamb, A.H., Subcellular distribution of trypanothione reductase in bloodstream and procyclic forms of *Trypanosoma brucei* (*Short Communication*), 109
Song, H., Thissen, J. and Komuniecki, R., Novel regulation of pyruvate dehydrogenase phosphatase activity from mitochondria of the parasitic nematode, *Ascaris suum* (*Short Communication*), 101
Spencer, D.F., see Gardner, M.J., 77
Spencer, L., see Jones, G.L., 1
Spotila, L.D., Rekosh, D.M. and LoVerde, P.T., Polymorphic repeated DNA element in the genome of *Schistosoma mansoni* (*Short Communication*), 117
Steinert, M., see Daï Do Thi, C., 199
Stuart, K., see Bhat, G.J., 139

Takle, G.B. and Cross, G.A.M., An 85-kilodalton surface antigen gene family of *Trypanosoma cruzi* encodes polypeptides homologous to bacterial neuraminidases, 185
Thissen, J., see Song, H., 101

Webb, J., Button, L.L. and McMaster, W.R., Heterogeneity of the genes encoding the major surface glycoprotein of *Leishmania donovani*, 173
Williamson, D.H., see Gardner, M.J., 77
Wilson, R.J.M., see Gardner, M.J., 77
Winterrowd, C.A., see Klein, R.D., 17
Wright, M.D., see Davern, K.M., 67

Yang, Y.-F., see Kilejian, A., 231

Zarlenga, D.S., Al-Yaman, F., Minchella, D.J. and La Rosa, G., A repetitive DNA probe specific for a North American sylvatic genotype of *Trichinella*, 131
Zavala, F., see Satchidanandam, V., 89
Zheng, H., see Kumar, N., 47
Zhu, J. and Hollingdale, M.R., Structure of *Plasmodium falciparum* liver stage antigen-1 (*Short Communication*), 223

# Subject Index


Acetylcholine, 151
Adenosine kinase, 39
*Ascaris*, 151
*Ascaris suum*, 101
ATPase, 139
ATPase, 59

Beta-tubulin, 27
Bioenergetics, 59

cDNA expression library, 121
cDNA clone, 67
Cell fractionation, 109
Cell-mediated immunity, 89
Chagas' disease, 211
Chemical nuclease, 211
Circular DNA, 77
Circumsporozoite protein, 89
Cloning, 223
Cloning, 17
Complementation, 17
Cytoskeleton, 11
Cytovillin, 121

Differentiation, 59
DNA probe, 131

Elongation 105
Endoplasmic reticulum, 47
Exoerythrocytic antigen, 223
Expression, 17

Gene expression, 199
Gene structure, 173
Gene, 185
*Giardia intestinalis*, 163
Glutathione, 109
Gp46/M2, 27
GP63, 173
Growth factor, 67
Guanosine kinase, 39

*Haemonchus contortus*, 17
Heat shock protein, 47
Host-parasite adaptation, 47
Hsp70, 27
Humoral immunity, 89

Immunodiagnosis, 67, 121
Immunofluorescence, 121
Immunogenicity, 1
Immunoscreen, 11, 105
Integral membrane protein, 67

kDNA, 139, 211

*Leishmania donovani*, 173
*Leishmania*, 27, 139
*Leishmania mexicana*, 227

Major surface glycoprotein, 27, 173
Malaria, 47
Malaria vaccine, 1
Mitochondrion, 59, 109
Molecular karyotype, 27
Multigene family, 185

Neuraminidase, 185
Nucleoside kinase, 39
Nucleoside, 163
Nucleotide sequence, 121

*Onchocerca volvulus*, 105
Organellar ribosomal RNA, 77

Parasite diagnosis, 131
Peptide conjugate, 1
Phosphatase, 101
Phosphatidylcholine, 151
Phosphofructokinase, 17
Phospholipase, 151
Phospholipid, 151
*Plasmodium falciparum*, 1, 47, 77, 223, 231
*Plasmodium berghei*, 89
Polyadenylation, 139
Polyamine, 109
Polymerase chain reaction, 211
Protein synthesis, 105
Protein kinase C, 151
Pyrimidine, 163
Pyruvate dehydrogenase complex, 101

Receptor, 67
Repetitive epitope, 11
Repetitive DNA sequencing, 223
Repetitive sequence, 131
Ribosomal RNA, 131
RNA editing, 139

*Schistosoma mansoni*, 117
*Schistosoma japonicum*, 67
Second messenger, 151
Signal transduction, 151
Species-specific surface antigen, 121
Stress protein, 47
Surface glycoprotein, 185

T epitope, 223
Tandem repeat, 223
*Theileria annulata*, 113
Thymidine, 163
Transport, 163

*Trichinella spiralis*, 131
*Trichomonas vaginalis*, 39
*Trypanosoma cruzi*, 185, 211
*Trypanosoma brucei brucei*, 59
*Trypanosoma gambiense* variant surface glycoprotein, 199
*Trypanosoma brucei*, 109
*Trypanosoma brucei rhodesiense*, 11
Trypanothione reductase, 109

Uridine kinase, 39

Vaccinia virus, 89

Xenodiagnosis, 211